

Effect of environment on the self-interaction of a quantum dot

Gainutdinov R., Khamadeev M., Mohebbifar M., Mutygullina A.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016, Allerton Press, Inc. The problem of the effect leads have on the self-interaction of a two-level quantum dot is discussed. It is shown that a generalized dynamic equation enables us to discover new effects in the optical spectra of such systems.

<http://dx.doi.org/10.3103/S1062873816070108>
